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(54) **COVERGLASS FRACTURE DETECTION**

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ABSTRACT

This application relates to methods and apparatus for detecting and characterizing the formation of cracks in a display cover. Various types of sensors can be used to accomplish the described embodiments. For example, a touch sensor can be utilized for detection and characterization purposes. Alternatively, a crack detection specific sensor or sensors can be added to a device. In some embodiments, when formation of a crack is detected, a device having a sensor that detects a crack can adjust its behavior depending upon how the crack is characterized. For example, the device can be configured to notify a user of the device of any or all systems of the device that will be affected by the detected crack. In some embodiments, crack characterization data can be sent to a device manufacturer to improve subsequent device models.

